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SEQUENCE LISTING

<110> FOGH, Jens
GELLERFORS, Par

<120> METHOD FOR TREATING ACUTE INTERMITTENT PORPHYRIA (AIP) AND OTHER PORPHYRIC DISEASES

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<141> 2000-10-26

<150> PCT/DK99/00040
<151> 1999-01-27

<150> DK 1998 00112
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<150> DK 1998 01748
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tcggaagctg gacgagcagc aggagttcag tgccatcatc ctggcaacag ctggcctgca 660

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gttggtaggc atcactgctc gtaacattcc acgagggccc cagttggctg cccagaactt 1080

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acggcaattg aacgatgccc attaataagc ttatcgatac cgtcgacctc gaggggggggc 1200

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<211> 5445
<212> DNA
<213> Homo sapiens

<400> 11
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ccctgcgaag agcagcccag ctgcagagaa agttcccgca tctggagttc aggagtattc 480

ggggaaacct caacacccgg cttcggaagc tggacgagca gcaggagttc agtgccatca 540

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<211> 1113
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cgcatacaga cggacagtgt ggtggcaaca ttgaaagcct cgtaccctgg cctgcagttt 180

gaaatcattg ctatgtccac cacaggggac aagattcttg atactgcact ctctaagatt 240

ggagagaaaa gcctgtttac caaggagctt gaacatgccc tggagaagaa tgaagtggac 300

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gccatctgca agcgggaaaa ccctcatgat gctgttgtct ttcacccaaa atttgttggg 420

aagaccctag aaaccctgcc agagaagagt gtggtgggaa ccagctccct gcgaagagca 480

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cagaacttgg gcatcagcct ggccaacttg ttgctgagca aaggagccaa aaacatcctg 1080

gatgttgcac ggcaattgaa cgatgcccat taa 1113

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<213> Artificial Sequence

<220>
<223> Primer for PCR amplification

<400> 13
cgtggaattc atgagagtga ttcgcgtggg ta 32

<210> 14
<211> 47
<212> DNA
<213> Artificial Sequence

<220>

<223> Primer for PCR amplification

<400> 14
ggagaagctt attaatgggc atcgttcaat tgccgtgcaa catccag 47

<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 15
tccaagcgga gccatgtctg 20

<210> 16
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR amplification

<400> 16
tcgcctccct ctagtctctg 20

<210> 17
<211> 21
<212> DNA
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<220>
<223> Primer for PCR amplification

<400> 17
cagcaggagt tcagtgccat c 21

<210> 18
<211> 21
<212> DNA
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<220>
<223> Primer for PCR amplification

<400> 18
gatggcactg aactcctgct g 21

<210> 19
<211> 20
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<220>
<223> Primer for PCR amplification

<400> 19
cagcaaccca ggcatctgtg 20

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<220>
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gtaatacgac tcactatagg gc 22

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ctaaagggaa caaaagctgg ag 22

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<210> 23
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<222> (32)..(52)
<223>

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Met Arg Val Ile Arg Val Gly
1 5

<210> 24
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
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<400> 24

Met Arg Val Ile Arg Val Gly
1 5

<210> 25
<211> 54
<212> DNA
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<220>
<223> Primer for PCR amplification

<400> 25
aattctaaca taagttaagg aggaaaaaaa aatgagagtt attcgtgtcg gtac 54

<210> 26
<211> 46
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR amplification

<400> 26
cgacacgaat aactctcatt ttttttttcct ccttaactta tgttag 46

<210> 27
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR amplification

<400> 27
gatcactcat gtttgacagc ttatcatcga tt 32

<210> 28
<211> 30

<212> DNA
<213> Artificial Sequence

<220>
<223> Primer for PCR amplification

<400> 28
agctaatcga tgataagctg tcaaacatga gt 32

<210> 29
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<212> DNA
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<220>
<223> Primer for PCR amplification

<220>
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<222> (1)..(60)
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Met Ser Gly Asn Gly Ile Ala Ala Ala Thr Ala Glu Glu Asn Ser Pro
1 5 10 15

aag atg aga gtg 60
Lys Met Arg Val
20

<210> 30
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Primer for PCR amplification

<400> 30

Met Ser Gly Asn Gly Ile Ala Ala Ala Thr Ala Glu Glu Asn Ser Pro
1 5 10 15

Lys Met Arg Val
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<210> 31
<211> 25
<212> DNA
<213> Artificial Sequence

<220>

<223> Fragment of normal chromosomal sequence

<400> 31
agcgcatggg ctggcacaac cgggt 25

<210> 32
<211> 9
<212> PRT
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<220>
<223> encoded by SEQ ID NO:31

<400> 32

Gln Arg Met Gly Trp His Asn Arg Val
1 5

<210> 33
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Fragment of AIP chromosomal sequence

<400> 33
agcgcatggg ctagcacaac cgggt 25

<210> 34
<211> 68
<212> DNA
<213> Artificial Sequence

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<223> Linear single-stranded chimeric (RNA/DNA) oligonucleotide with ha
irpin secondary structure

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<222> (1)..(25)
<223> base pairs to (55)...(31), respectively

<220>
<221> stem_loop
<222> (31)..(55)
<223> base pairs to (25)...(1), respectively

<220>
<221> misc_RNA
<222> (31)..(40)
<223> modified RNA region in chimeric DNA/RNA molecule

<220>
<221> misc_RNA
<222> (46)..(55)
<223> modified RNA region in chimeric DNA/RNA molecule

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<223> modified_base (31), (49)
am

<220>
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<223> modified_base (35), (36), (39), (51), (53)
gm

<220>
<221> misc_feature
<223> modified base (32), (33), (34), (46), (47), (48), (52), (54)
cm

B10 Cont

<220>
<221> misc_feature
<223> modified base (37), (38), (40), (50), (55)
um

<400> 34
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tttcccgg 68